

(12) 按照专利合作条约所公布的国际申请

(19) 世界知识产权组织
国际局



(43) 国际公布日:

2004年10月14日(14.10.2004)

(10) 国际公布号:

WO 2004/089020 A1

PCT

- (51) 国际分类号⁷: H04Q 7/38
- (21) 国际申请号: PCT/CN2003/000238
- (22) 国际申请日: 2003年4月3日(03.04.2003)
- (25) 申请语言: 中文
- (26) 公布语言: 中文
- (71) 申请人(对除美国以外的所有指定国): UT 斯达康(中国)有限公司(UTSTARCOM (CHINA) CO. LTD.) [CN/CN]; 中国北京市东四十条万泰北海大厦B座11层, Beijing 100027 (CN)。
- (72) 发明人;及
- (75) 发明人/申请人(仅对美国): 刘晟(LIU, Sheng) [CN/CN]; 赵柏峻(ZHAO, Baijun) [CN/CN]; 中国广东省深圳市南山区高新技术园区联想大厦三层, Guangdong 518057 (CN)。
- (74) 代理人: 中国国际贸易促进委员会专利商标事务所(CCPIT PATENT AND TRADEMARK LAW OFFICE); 中国北京市阜成门外大街2号万通新世界广场8层, Beijing 100037 (CN)。

(81) 指定国(国家): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

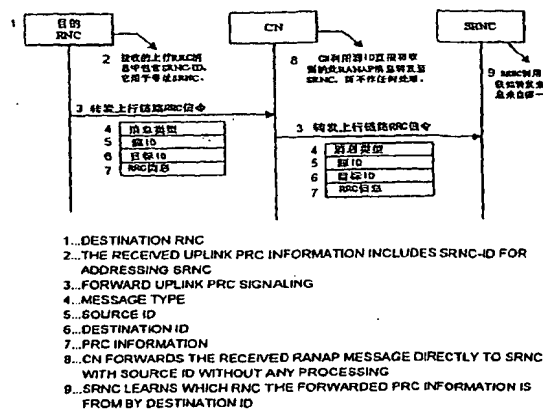
(84) 指定国(地区): ARIPO专利(GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), 欧亚专利(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), 欧洲专利(AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI专利(BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

本国际公布:
— 包括国际检索报告。

所引用双字母代码和其它缩写符号, 请参考刊登在每期PCT公报期刊起始的“代码及缩写符号简要说明”。

(54) Title: METHOD FOR USER EQUIPMENT MOBILITY MANAGEMENT AND COMMUNICATION SYSTEM THEREOF

(54) 发明名称: 用于用户设备移动性管理的方法及其通信系统



(57) Abstract: The present invention relates to a method of UE mobility management and a mobile communication system of implementing this method, where the system includes: the core network communicating with the universal terrestrial radio access network (UTRAN); UTRAN consisting of multiple radio network systems (RNS) and communicating with one or more UE via Uu interface, and each said RNS comprising a radio network controller (RNC) and one or more nodes communicating with said RNC via Iub interface, while communicating between RNC via Iur interface; UTRAN controlling UE mobility management through radio resource control (RRC) signaling of Uu interface; and said method includes: UE transmitting uplink RRC signaling information to request UE mobility management; the first RNC receiving and forwarding said uplink RRC signaling information to the core network; the core network forwarding pellucidly said uplink RRC signaling information; the second RNC receiving and utilizing said uplink RRC signaling information to perform required mobility management.

[见续页]

WO 2004/089020 A1

INTERNATIONAL SEARCH REPORT

International application No.
PCT/CN 03/00238

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: H04Q7/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: H04Q7/38

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

CNPAT: IPC as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPODOC, WPI, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	CN1399856A (TELEFONAKTIEBOLAGET ERICSSON L M) 26.Feb. 2003 (26.02.03) See page 3, 4, 6, 7 of description and Fig.6	1-14
A	CN1348666A (NOKIA MOBILE PHONES LTD) 08.May 2002 (08.05.02) See page 13—16 of description	1-14
A	CN1385046A (TELEFONAKTIEBOLAGET ERICSSON L M) 11 Dec. 2002 (11.12.02) See page 6-10,14 of description	1-14

☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 20 May. 2003(20.05.03)	Date of mailing of the international search report 19 JUN 2003 (19.06.03)
Name and mailing address of the ISA/CN 6 Xitucheng Rd., Jimen Bridge, Haidian District, 100088 Beijing, China Facsimile No. 86-10-62019451	Authorized officer GENG XIAOFANG Telephone No. 86-10-62093786

INTERNATIONAL SEARCH REPORT

Information patent family members

Search request No.

PCT/CN03/00238

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
CN1399856A	26.02.03	AU2156101A	04.06.01
		WO0139534 A	31.05.01
		GB2356770A	30.05.01
CN1348666A	08.05.02	EP1090519A	11.04.01
		AU4554499A	05.01.00
		WO9966740A	23.12.99
CN1385046A	11.12.02	AU1425201A	08.05.01
		WO0131940A	03.05.01